

Work Order ID 165641***165641***

Page 1

Monday, August 28, 2017 12:38:06 PM

Item ID: D2596 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Web, 205 Skidtube
Start Date: 8/23/2017 Start Qty: 4.00 ***4*** Cust Item ID:
Required Date: 8/28/2017 Req'd Qty: 4.00 ***4*** Customer:
Reference:

Approvals: Process Plan: Uu **DAS 21** Date: AUG 30 2017 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ **9-89** Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
D2596	Rev D

100		0.00
100	Skidtubes	
Skidtubes	Memo	2.67
Skidtubes	1- Cut D2500-3-100 to length: 99.5" 2- Use Jig DT8093 to drill pilot holes #30 3- Open to 0.630" diameter as per Dwg D2596 4- Deburr	

4 ϕ 2017/09/15 AP

110	Chemical Conversion Coat per QSI005 4.1	0.00
110		
HandFinish	Memo	1.23
Hand Finishing		

(4) ϕ 2017-09-15
JSL
BEB

120	QC5- Inspect part completeness to step on W/O	0.00
120		
QC	Memo	0.08
Quality Control		

4 ϕ SEP 19 2017 **DAS 19 9-89**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Misidentified ☐	Past Due ☐																																																																

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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: L6002	0.00							
130						4	0		JW
Packaging	Memo	0.04							17-09-19
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									17/9/20
QC	Memo	0.40							W
Quality Control									

SEP 19 2017

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Picklist Print

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Page 1
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Work Order ID: 165641

165641

Parent Item: D2596

D2596

Parent Item Name: Web, 205 Skidtube

Start Date: 8/23/2017

Required Date: 8/28/2017

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP: D99.02.02Changed QA to QC, Added Step 6 and CostDM
IPP Rev:E 07-07-09 Incorporated DEO 9183 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2500-3-100		Manufactured	No			100	Each	49.0000	1	4			
D2500-3-100									**				

Ext'n - 'I' Beam Web 4"

Location

Loc Qty

Loc Code

LG

49

147804

49

4 2017/09/14 AP

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

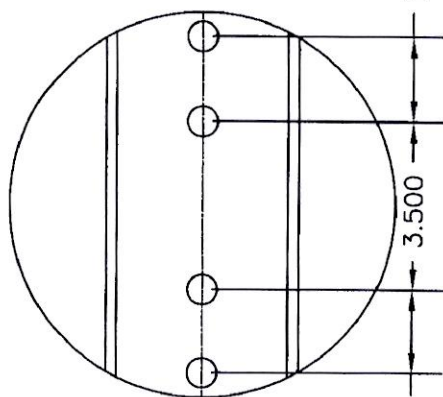
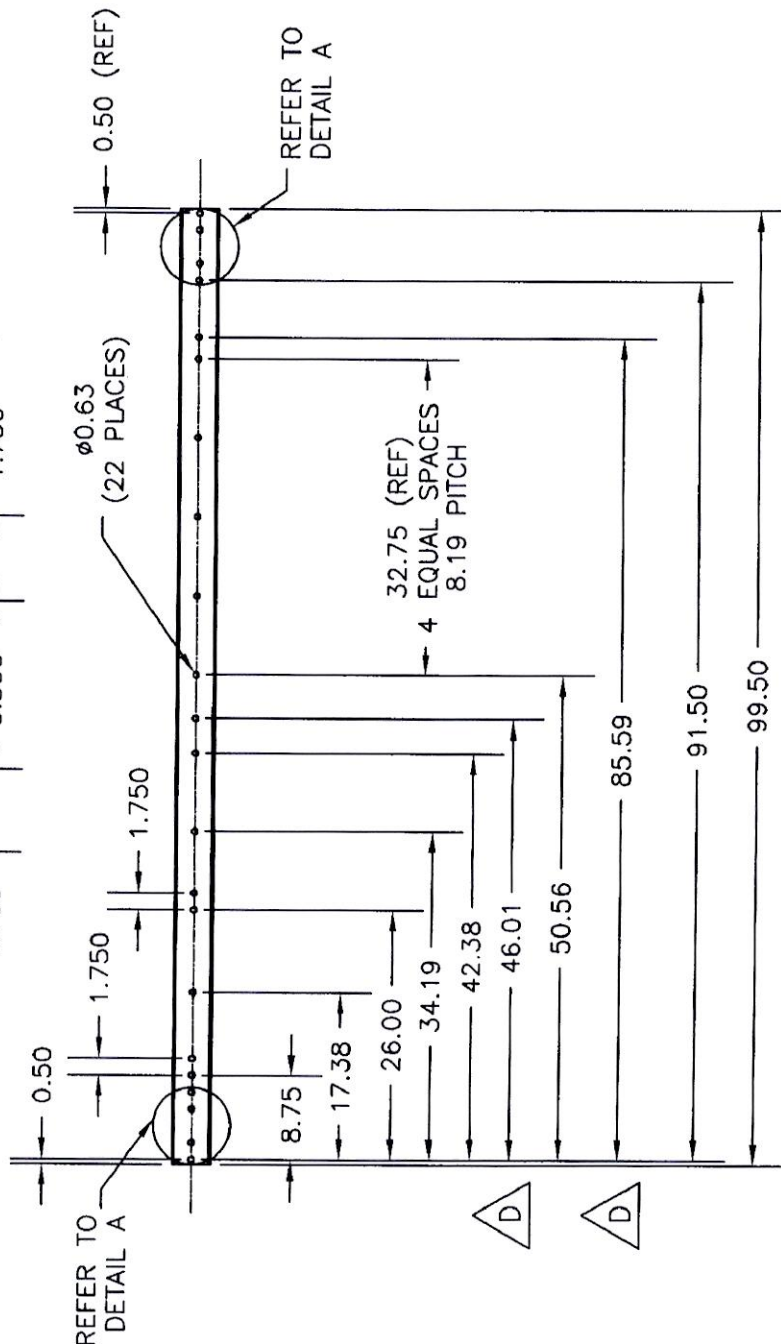
Work Order update only ☐

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Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

DART**RELEASED**
07.04.17SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 165641

U4

AUG 30 2017

**DETAIL A**
SCALE 1:4**D2596 WEB**

- 1) MATERIAL: MAKE FROM D2500-3-100 EXTRUSION
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) DEBURR SHARP EDGES 0.010 TO 0.020

DESIGN RH	DRAWN BY RH	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D2596	REV. D SHEET 1 OF 1
DATE 07.04.17	TITLE 205 WEB		SCALE 1:20
A	96.09.16	NEW ISSUE	
B	97.07.23	Ø0.63 HOLE WAS Ø0.56	
C	98.09.14	INCORPORATED DEO 9097	
D	07.04.17	INCORPORATED DEO 9183	

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